

Hi, I'm Zach Eilon, an Associate Professor at UC Santa Barbara. I'm a structural seismologist working on lithosphere-scale tectonophysical questions, mostly in continental rifts, mid-ocean ridges, and the central oceans. I have conducted several broadband seismic deployments on land, and more recently broadband OBS experiments. Some random memorable facts about me: I have walked all the way across England (where I was born and raised), I have no sweet tooth at all, and I've been hit by lightning (twice).

I would be honored and excited to serve on the first EarthScope board; I'm keenly aware of the significant responsibilities this inaugural board will have. I see the role of EarthScope as threefold: 1) Facilitate cutting-edge data collection through types or scales of instrumentation unavailable to most PIs. 2) Manage and provide open access to massive geophysical datasets and educational tools that make our community the envy of the sciences, and 3) Build equitable and intentional community through meetings, internships, lectureships, outreach, and funding opportunities. My formative years as a student and early career scientist were shaped largely by meetings, peers, mentors, and resources provided through IRIS and the deliberately interdisciplinary NSF-GeoPRISMS. EarthScope can borrow best practices from these programs while ensuring that future efforts concentrate on our most pressing societal and disciplinary needs. It is sadly well documented that the geosciences have a stark deficit in diversity, with field settings shown to throw up particular barriers. EarthScope is uniquely well positioned to change this by establishing actively inclusive norms and support structures in the field, in educational spaces, and in conference settings. To this end, I am committed to seeking out and uplifting voices of those most directly impacted by inequitable power structures to channel our efforts. I will also not compromise on EarthScope's efforts to serve early career scientists and those at non-R1 institutions that sometimes rely more on facility resources.

Although a relatively fresh face, I have service experience within several organizations relevant to EarthScope: the IRIS PASSCAL standing committee, the OBSIC oversight subcommittee (part of MSROC), and the inaugural US InterRidge nominating committee which drafted terms of service for that new governance structure. I also participated in the EarthScope governance meeting at which the framework and ethos of the new EarthScope committee structure were established. Within my home department, I chair the DEI and Undocumented Student Scholarship Committees, am Senior Thesis chair, and have taken a leading role in redesigning our undergraduate advisorship program.

I believe strongly in a community-driven EarthScope that channels the hard work and expertise of facility staff in directions that benefit the entire community. I would seek to ensure that the board works closely with the new facility management, and does so in a way that devolves substantial responsibility and agency to the Advisory Committees that allow community scientists to set the (evolving) priorities. Community buy-in, empowerment, feedback, and leadership are the secret sauce that will make EarthScope a successful and competitive geophysical facility for decades.